

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

OCTOBER 5, 1992
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UMCP Wins \$1 Million Award from IBM

IBM has awarded the university \$1 million to accelerate the teaching, research and use of total quality management principles.

The College Park campus is one of only nine colleges and universities selected to receive the eight awards (one was a joint award to two institutions) from more than 200 applicants in IBM's Total Quality Management (TQM) University Competition.

The awards—\$1 million in cash, or \$3 million in IBM equipment, or a combination, over five years—will help the institutions implement quality management principles in their curricula and operations, and conduct research on quality.

College Park and the other award recipients will be offered partnerships with IBM facilities, and will be expected to share their knowledge and experience with other academic institutions.

"This grant provides us with a unique opportunity to create something totally new," said Judy Olian, associate professor in the College of Business and Management, and project leader for the IBM proposal.

"This is a marriage between busi-

ness and engineering programs, the result of which will be students who graduate with a deep understanding of Total Quality principles and how they should be applied in the workplace."

The university expects to begin implementing its new total quality program soon. "We will concentrate mainly on developing a TQ curriculum for business and engineering undergraduate students," Olian said. "We're talking about a completely integrated four-year curriculum that will equip program graduates to enter the workplace and from day-one, add substantial value to their jobs."

The competition was open to all U.S. colleges and universities. Pro-

posals were evaluated based on several criteria including proposed emphasis on quality in curricula and programs; the commitment of the university in terms of funding, personnel and outside support, and the university's plans to share quality concepts with other academic institutions.

"The University of Maryland at College Park has been given a terrific opportunity through this grant from IBM to make a significant contribution toward increasing American competitiveness in the global marketplace," Olian said. "The company is a strong believer in developing linkages between the business and academic communities."

Dobin Elected Campus Senate Chair-Elect



Hank Dobin

Hank Dobin, associate professor of English, was elected chair-elect of the Campus Senate at the Senate's September 14 meeting.

Dobin has been a member of the English Department faculty for nine years, serving as associate chair of the department since 1990. He is a specialist in the Renaissance and Shakespeare.

Last year, he chaired the Senate's faculty affairs committee, which presented policies on merit pay and conflict of interest to the Senate and devoted much of its attention to the policy for termination of faculty appointments during financial emergency. This policy is expected to come before the Senate October 12.

During the spring and summer,

Dobin served on the working group making final modifications to the new campus policy on appointments, promotion and tenure. He also helped coordinate last November's Maryland at Risk Day and lobbied on behalf of the university in Annapolis.

"On this campus," Dobin says, "our first priorities must be financial: compensation for staff's extended work-week, increased graduate student support, a commitment to affordable tuition, and raises for all university employees. But fiscal issues cannot paralyze us. We must renew our efforts to improve both the graduate and undergraduate programs, to protect and promote our diversity as a cultural and intellectual community, to attract the best students and faculty, and to pursue groundbreaking research programs in the sciences and humanities."

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Members of Executive Committee

At its meeting September 14, the Campus Senate elected the following individuals:

Chair-elect:

Hank Dobin, English.

1992-93 Executive Committee:

Faculty

James Alexander, Mathematics

Marvin Breslow, History

Christopher Davis, Electrical

Engineering

Rose-Marie Oster, Germanic and Slavic

Languages and Literatures

Don C. Piper, Government and Politics

Nancy Schlossberg, Counseling and

Personnel Services

Ellin Scholnick, Psychology

Staff

Cynthia Hale, Computer Science

Patricia Moreland, Counseling Center

Undergraduate Student

Catherine McCullough, Journalism

Graduate Student

Mary Liz Knish, Speech Communication

Afro-American Studies Program Book Club

The Afro-American Studies Program is sponsoring a Book Club. The first meeting is Oct. 15 at 6 p.m. in the Afro-American Studies Program's Reading Room. The first book will be "Angel" by Caribbean author Meryl Collins. The Book Club will meet again on Nov. 17. Rhonda Williams, assistant professor in the Afro-American Studies Program, will facilitate a discussion on "Two Nations." For more information, call 405-1158.

Conference Set on Multi-Ethnic Retention, Graduation



Molefi Kete Asante

The Office of Multi-Ethnic Student Education (OMSE) will host a one-day conference on October 14 to examine new challenges in retaining and graduating multi-ethnic students.

"Retention 2000: Leadership and Empowerment Strategies for Ethnic Minorities in Higher Education" will explore new opportunities for collaboration with students, faculty, staff and community leaders having equal roles in developing retention strategies.

Mary Cothran, director of OMSE, said this conference is unusual because "it is very, very student focused." Unlike most conferences,

there will be a large number of students in the audience. "We don't think we can make key decisions without their participation," she said.

The conference will focus on self-empowerment. Cothran said discussions will include ways for students to use their own qualities and leadership skills. It is about students helping students, she said.

A morning keynote address will be delivered by Randall Robinson, Executive Director of TransAfrica, the American lobby for Africa and the Caribbean. He will discuss how to involve the community in retention programs to enhance the academic and career success of multi-ethnic students.

Robinson helped establish and serves as Executive Director of the TransAfrica Forum, a center for research,

education and public outreach.

Molefi Kete Asante, professor and chair of the department of African American Studies at Temple University will present the luncheon keynote address, discussing Afrocentricity and the retention of multi-ethnic students.

Asante created the first doctoral program in African American Studies. The author of 32 books and over one hundred scholarly articles, he is regularly quoted on issues in the African world.

Contact the Office of Multi-Ethnic Student Education at 405-5620 for fees and information.



Randall Robinson

New Program Launched to Train Russian Housing Professionals

To help Russians reform the inadequacies of that nation's housing, the School of Public Affairs has launched an intensive, four-week program for housing professionals from Russia to learn how the housing sector operates in a market economy.

The Advanced Housing Seminar is funded by more than \$250,000 in grants from the U.S. Information Agency and the U.S. Agency for International Development. The program is part of the federal government's program of technical assistance to the newly independent states of the former Soviet Union.

Fifteen specialists from St. Petersburg, representing a cross-section of housing expertise, and five housing professionals from other Russian cities will spend next February at the university.

They will study with faculty from the school and the university, officials from the Maryland state housing department, and private sector housing experts. The seminar will offer opportunities for them to propose solutions to the problems of housing in Russia based on interaction with these American experts.

The program expands the scope of

existing mid-career training programs on housing finance and affordable housing policy at the school. It is being directed by David Falk, an experienced housing attorney and aide to Governor William Donald Schaefer. A business advisory board, chaired by the president of the Washington-based National Multi Housing Council, will assist in the training effort.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Tom Otwell Acting Editor
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Fariss Samarai Staff Writer
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Beth Workman Staff Writer
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Judith Blair Director of Creative Services
John T. Consoli Format Designer
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Al Danegger Photography
Tule Trong Production Interns
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Susan Heller

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

MARC Accepting Grant Proposals

The Maryland Assessment Resource Center (MARC) is offering matching funds for faculty-based assessment projects for Maryland public institutions of higher education. Funding is being provided by the Maryland Higher Education Commission.

MARC, which was created to provide assistance to public institutions in Maryland for assessment and evaluation efforts, has currently allocated \$70,000 to be awarded for small and large grant projects and \$30,000 for targeted grant projects in the field of general education.

Mini-grants of \$500 each require a maximum two-page summary of the project with a quick turn-around

review by the MARC staff. Larger grants ranging from \$2,000 to \$5,000 each require a maximum five-page proposal with a more rigorous review by a three to five person panel selected from the MARC technical support group.

The MARC Advisory Board has also determined that there is a need for targeted assessment studies of common interest which emphasize the utilization of findings in special areas of research. \$30,000 has been set aside for six \$5,000 matching grants for projects.

Deadlines for proposals is Oct. 26.

For more information, call 405-7871 or 405-3620.

Campus Senate to Meet October 12

The Campus Senate will meet Monday, October 12 from 3:30 p.m. to 6:30 p.m. in Room 0126 of the Reckord Armory. The Senate is expected to hear a joint presentation on the State's economy by Mahlon Straszheim, chair of the Department of Economics and special advisor to Governor Schaefer, and President Kirwan on the impact on the university. Items scheduled for Senate action include UMCP procedures for the termination of faculty appointments during a financial emergency. The agenda also includes a report on APAC and election of three UMCP representatives to the Council of University System Faculty.

NEWS

New Book Examines Corporate Political Action Committees

Alan Neustadt, assistant professor of sociology, is the co-author of *Money Talks: Corporate PACs and Political Influence*, just published by Basic Books.

The book is the first in-depth consideration of corporate political action committees and the business-government relationship.

Neustadt and co-authors Dan Clawson, a sociology professor at the University of Massachusetts at Amherst, and Denise Scott, a doctoral candidate at UMass, conducted a

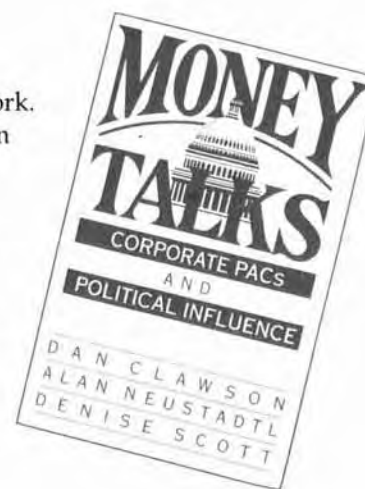
series of extensive interviews with corporate executives who direct and control their firm's political activity.

These candid interviews offer insight into how corporations think, the goals they pursue, and the methods they use to achieve those goals.

The book shows how PACs work—out of the public eye—to make minor changes in the wording of a piece of legislation long before it reaches the floor of Congress.

The authors argue against multiplying regulations and piecemeal reform

that they say won't work. Instead, they call for an innovative system of public financing of political campaigns that would actually cost the American people far less than the tax loopholes and giveaways that are part of the current system.



Researchers Tighten Reins on Computerized Systems

Business professor Loueqa Raschid and computer science professor Bonnie Door are helping to solve an increasingly exasperating problem for businesses today—the proliferation of databases and the often incompatible systems that operate them.

The two UMCP faculty members are recipients of a \$300,000 grant from the Department of Defense Advanced Research Projects Agency. The grant funds a project which, in part, will develop more efficient ways to organize, store and query computerized information (i.e. databases), as well as methods for making diverse computerized information systems more compatible with one another.

Putting an end to computer lies is another goal of the Raschid-Dorr project. Computers solve problems based solely upon the information accessible to them, even though they are often asked to solve problems that require far greater stores of data than are available. When this is the case, the computers produce "correct" answers that are flat wrong.

"We will establish a procedure that will cause computers to alert human programmers when they must supply additional database information in order to obtain a complete answer," says Raschid, a member of the Information Systems faculty of the College of Business and Management, and one of the few individuals in the country working in this area of knowledge based systems. "This procedure is based on very specific conditions that a knowledge base must satisfy before correct and consistent answers can be produced."



Pizza Movers

Herbert Rabin (left), director of the Engineering Research Center and associate dean of the College of Engineering, Clayton Shelhoss, VP for sales, and President Kirwan prepare to tuck into a pizza topped with sausage-flavored tofu during a recent taste-testing of the new product at South Campus Dining Hall. The pizza topping is a product of Litetrends Co., Inc. Litetrends is a recent "graduate" of the campus-based Technology Advancement Program, a small-business incubator which is an arm of the Engineering Research Center. The company also was the recipient of a Maryland Industrial Partnership (MIPS) grant, a program that offers matching funds to support cooperative research projects for product or process development between Maryland industries and the university. The Eldersburg, Md. firm processes and markets an innovative line of food products that it says are tasty, nutritious and economical. The food selections are based largely on tofu processing technology.

Archives II Tours Available

Members of the campus community interested in Archives II will have a chance to tour the new facility during a community day, Saturday, October 17. Tours of the building will begin at 10 a.m. and continue until 11:30 a.m.. Reservations are not needed.

National Archives officials and representatives of the construction company will lead the tour groups and be available to answer questions. This

will be the final community day program until the building is completed.

Visitors interested in the tour should drive into the main entrance to the site and park in the parking garage. Tour groups will assemble at one corner of the top deck of the garage.

Since this is a construction site, access for the handicapped is not available.

Applications for International Travel Grants Available

The next deadline for applications for travel grants from the UMCP International Travel Fund is October 15, 1992. Funds are available for faculty members planning to conduct research abroad and cover travel costs only. Grants are for research projects and not for short-term lecturing or travel to international conferences or symposia. For more information or to obtain application forms, contact Valerie Williams at 54472.

Some Observations for UMCP

UMCP has come a long way during the past decades during which I have happily taught at this campus. There is a renewed focus on quality education. Faculty are honored for their research contributions as well as their teaching. Technology has made obsolete the hideously long registration lines and made more efficient the process of registration. Personal computers are accessible to students around the campus, and nowadays no one must await batch processing of IBM cards. Today, in hard times, the administration is sparing no effort to mitigating the effects of devastating budgetary cuts.

Nevertheless, it seems to me that there are several issues that should be addressed. I think that with the right kind of resolution, they could well enhance the university and its reputation. The items that I will discuss appear to involve no financial burden on the university.

Academic Calendars

The first item concerns academic calendars. As I understand it, some years ago the governor requested that the University of Maryland start its fall semester after Labor Day. As a result, if the semester is to be completed before the year-end holidays, the number of class days is severely constrained.

This year, with a late Labor Day, there are only 67 class days during the fall semester. The upcoming spring semester has the usual length: 75 class days. In other words, the spring semester is 12 percent longer than the fall semester. The discrepancy is substantial. How will a student be assured that the abbreviated syllabus in the fall semester will adequately prepare him or her for a successor course? How should a teacher cut out 12 percent of his or her syllabus for the fall semester? In terms of MWF classes, the difference for 1992-93 is even more pronounced: 40 in the fall and 46 in the spring, which means 15 percent more sessions in the spring. Since Labor Day falls late again next year—September 6—I feel that the difference in semester lengths should be rectified.

A related matter concerns the starting date of the spring semester. The vast majority of students and faculty I

have talked with prefer that the second semester start earlier in January. By having such a late starting date as we do now, our students have a disadvantage in obtaining summer jobs, because students at many other campuses are finished at the beginning of May. I believe that the reason why the starting date was set so late no longer exists. Both the length of semester issue and the starting date of second semester issue should be re-evaluated.

Athletic Events

The next topic I turn to concerns sports activities that take place during class time. The faculty is required to excuse students for campus-sanctioned athletic events. When a student misses an examination because of an athletic event, it puts a hardship on the athlete, the rest of the class, and the teacher. The athlete must make up the work on top of an already heavy schedule, and the make-up will likely not evaluate the student's knowledge the same as the original test would.

Moreover, the teacher needs to prepare extra written work, execute it and evaluate it. However, for an athlete to miss a regularly scheduled final examination seems to me to be intolerable. There is absolutely no reason why any professor on campus should excuse any student from taking a regularly scheduled final examination because of an athletic event. Yet this frequently is demanded of us; in fact it happened most recently during the spring semester of 1992. Observe that in-class tests are campus-sanctioned events. Therefore, which should take precedence in a university, academic activity or athletic events?

This campus is not alone in scheduling athletic events during finals time. Other ACC campuses are guilty of the same offense. If we really want to address the problem of putting athletics on an educational level, we should bar participation in any athletic events during finals time.

There are other things that might be done so that campus athletic events are not promoted at the expense of learning. For example, I would suggest that ACC contests be held, so far as possible, on weekends, and that

for Saturday contests, the athletes not leave campus before Friday noon. This should also apply to bands performing at the events.

Retired Faculty Members

To its credit, this campus allows those who are designated "emeritus" or "emerita" to use the libraries gratis, to park on campus without parking fee, and to have (or share) an office on campus when feasible. However, at what expense?

Before gaining "emeritus" or "emerita" status, one has to proceed through the promotions and tenure committees. In the past, well-qualified candidates have occasionally been denied such a title. It must be demeaning for one who has served the campus for many years to submit to the scrutiny of such committees at retirement.

Moreover, it is short-sighted of the campus to run the risk of alienating those who might well wish to provide long-term gifts to the campus, precisely when they go into retirement. Other campuses around the country award the title automatically. I would propose that this campus do likewise, at least for those who have served for, say, a certain minimum number of years.

Rushing

I notice that this year the fall fraternity and sorority rush was scheduled for September 11-21. That is exactly the period when new students are trying to get settled and start their fall studies. Rushing at the beginning of the fall semester imposes great hardship on the rushers as well as the rushees. What kind of academic signal does this send to students? Other campuses wait until a more propitious time for their rushing. I suggest that our campus do the same.

I hope that the issues that I have raised may stimulate discussion, and some decent resolutions might be possible.

Denny Gulick
Professor
Department of Mathematics

Editor's Note: We welcome contributions to the Point of View page, though the opinions expressed do not necessarily reflect OUTLOOK's point of view. Members of the Campus community are encouraged to submit opinion pieces of 1,000 words or less to: OUTLOOK, Point of View, 2nd Floor, Turner Bldg.

Ninth Annual Faculty and Staff Convocation Set

The Ninth Annual Faculty and Staff Convocation will be held Wednesday, October 14 at 3:30 p.m. in Memorial Chapel. The annual event inaugurates the start of the new academic year and recognizes College Park faculty and staff accomplishments. The President's Medal, the university's highest honor, will be presented during the ceremonies. A reception will follow on the Chapel Lawn.

ARTS

University of Maryland Chorus Celebrates 25th Anniversary Season

A television reporter covering a University of Maryland Chorus concert once asked Antal Dorati, former music director for the National Symphony Orchestra, how he felt about performing with an amateur group. Dorati replied with a question of his own.

"Do you know what 'amateur' means?" he asked. When the reporter replied that he did not, Dorati explained that the Latin word from which "amateur" derives means "lover." Dorati went on to explain that he would rather work with a group that loves what it does, such as the University of Maryland Chorus, than one that considers the performance of music to be work.

This fall, with the start of its 1992-1993 season, the University of Maryland Chorus celebrates 25 years of performing world-class music locally, nationally and internationally. And although it may technically be classified as amateur, the group has been called "one of the leading vocal ensembles of the United States" and its music hailed by critics as "stunning," "magnificent" and "exquisite."

The Chorus' resume speaks as loudly as these words of praise. The 100-member group lists performances with the National, Philadelphia, Cleveland, Minnesota, Detroit, American, Baltimore and Richmond symphony orchestras, as well as Amsterdam's Concertgebouw.

It has delighted audiences in such prestigious locations as the Lincoln Center, Carnegie Hall, Kennedy Center, Tchaikovsky Hall in Moscow and London's Royal Albert Hall and Royal Festival Hall. Also on its resume is a performance during the 1985 U.S. presidential inaugural ceremonies and something no other non-British chorus can boast—performances with the Royal Philharmonic Orchestra—with whom it performed in 1976 and 1980.

Its members, who include not only university students, faculty and staff but also music lovers from the greater Washington/Baltimore area who are not otherwise affiliated with the university, really do love what they do. They are a devoted group. Despite giving up no less than 15 hours a month to rehearse, and having to pay for music and trips out of their own pockets, most members cannot imagine their lives without the Chorus.

Some make it a family affair, and sing with their children or spouses. Several couples have met and married while in the Chorus. Another woman loved it so much that she continued singing with the group after moving to Atlanta, Georgia! Some members have been with the Chorus since its founding in 1967 by Paul Traver.

Paul Traver has been called a "genius" and "brilliant." Chorus members state that he *is* the Chorus, and that the group would never have

attained its level of excellence were it not for him.

Traver sees his work with the Chorus as educational. "I try to educate the Chorus members about each other and about the music they are performing," he says, adding, "Sometimes they teach me. I also try to educate our audiences about music, art and the University of Maryland at College Park."

The Chorus' 25th anniversary season opens on Sunday, November 1, at 3:00 p.m. with a performance of Handel's *Hercules* in Memorial Chapel. On December 5 at 8:00 p.m. and December 6 at 4:00 p.m. the group will give its annual Christmas concerts, also in Memorial Chapel. And on Sunday, April 25, at 3:00 p.m. 25 years of music-making will be celebrated in Memorial Chapel with a special 25th anniversary concert. Wrapping up the season will be a performance of Verdi's "Requiem" on June 10 and 11 at 8:15 p.m. in Baltimore's Meyerhoff Symphony Hall.

For more information, call 55568.

—Beth Workman



Study Reveals Communication is Key to Condom Use

College students who want their sexual partners to use condoms should remember the words "Ask and ye shall receive," says Timothy Edgar, assistant professor of speech communication, who recently completed a study on condom use among college students.

The study, titled "Strategic Sexual Communication: Condom Use Resistance and Response," revealed that, when asked, 83 percent of the students immediately agreed to use of a condom; another five percent eventually agreed. The study included 204 students who had engaged in sexual intercourse with a new partner within the previous 12 months and focused on their most recent experience of having sex for the first time with a new partner.

Only 43 percent of the students, however, used a condom, in part because of the difficulty in discussing condom use with a new sexual partner.

"Unlike other behaviors for the protection of one's health, condom use is not a unilateral practice... Agreement and cooperation are necessary," says Edgar. "Communicating about sex and activities related to sex is not a simple task for many individuals despite the fascination with the topic."

The study, which also was conducted by Vicki Freimuth and Edward Fink, department of speech communication, Sharon Lee Hammond, University College, and Deborah McDonald, Hood College, identified the most common types of strategies individuals used to persuade a partner to use a condom and assessed the differences between condom users and non-users in their perceptions of these strategies.

Although condom users gave higher ratings to certain strategies under hypothetical conditions, their reports on actual behavior suggest that the particular strategy tends to be incon-

sequential. "It is the willingness to initiate discussion about condom use that seems to be the most important predictor of use," says Edgar.

"The results of our study indicate that AIDS education messages should focus not on the best way to convince a partner to use a condom, as previous studies show, but instead on communication skills in general," says Edgar.

The study is discussed in *AIDS: A Communication Perspective*. Edgar, Freimuth, and Mary Anne Fitzpatrick, University of Wisconsin, Madison, Wisconsin, edited the multi-authored book, compiled to examine how theory informs our understanding of communication processes as they relate to the AIDS crisis.

Edgar and his colleagues are currently working on the effectiveness of fear appeals in AIDS education messages.

ICOP Set for October 20-21

More than 70 agricultural industries have been invited to the College Park campus to take part in the 2nd annual Industry/Career Opportunities Program (ICOP) October 20 and 21 from 9 a.m. to 4:30 p.m. in the Stamp Student Union. Agricultural students and alumni will have a chance to visit industry displays, attend group presentations or sign up for individual interviews with participating local, regional, national and international agricultural companies and agencies. For more information or to schedule interviews, call 405-4686.

Contracts and Grants Awards up More Than Eight Percent

Research contracts and grants administered by College Park for the 1992 fiscal year topped the \$122 million mark for the first time. This represents an 8.3 percent increase over FY 1991 and an amount that is more than three times the annual value of such grants a decade ago, according to the Office of Research Administration and Advancement (ORAA).

This total includes slightly more than \$5.3 million awarded for non College Park units such as the Cooperative Extension Service, Sea Grant and the Maryland Biotechnology Institute, units for which College Park served as the administrative agent.

According to a recently released report by ORAA, contracts and grants totaled \$122,227,261 for FY 1992.

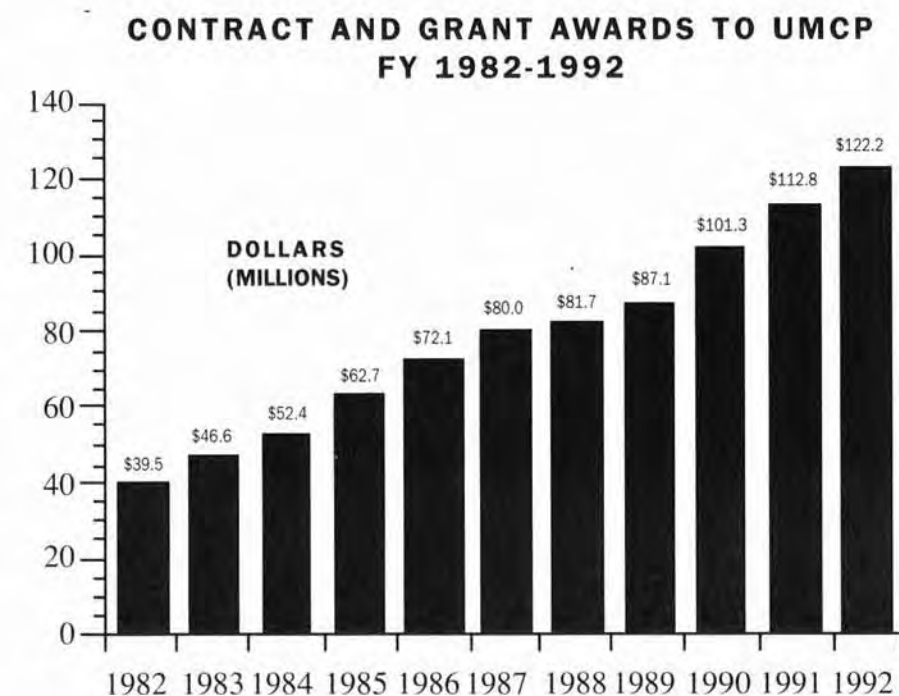
The federal government provides most of the research money to College Park, accounting for 81.7 percent of the award total. Federal funding was up by more than 11 percent over last year.

For the third year in a row, the National Aeronautics and Space Administration was the largest single federal sponsor of research on campus, providing 17.9 percent of all grant dollars. For FY 1992, NASA awarded a total of nearly \$21.9 million.

The National Science Foundation was again the second largest federal research sponsor, awarding grants and contracts for more than \$20.4 million or 16.7 percent of College Park's total awards.

Agencies in the Department of Defense—the Army, Air Force and Navy—followed with more than \$11.9 million, or 9.8 percent of all awards. Rounding out the top group were the Department of Energy (\$9.1 million—7.5 percent), and the Department of Agriculture (\$6.1 million—5 percent). Together, this group of federal agencies accounted for 57 percent of all research dollars.

Other federal agencies, including the U.S. Agency for International Development (AID), and the departments of Health and Human Services, Education, and Commerce, accounted for \$30 million, or 17.7 percent of the total. Funding from AID



(more than 6.1 percent of the total this year) has increased dramatically in the past four years, going from \$224,881 in 1989 to \$7,397,648 in FY 1992. It more than doubled over last year.

While federal funding rose more rapidly than for other sources, non-federal sources of support declined by \$1 million compared to FY 1991, falling from \$23 million to \$22 million in FY 1992. Non-federal sources accounted for 18 percent of all funding in 1992, down from 21 percent in 1991.

College Park has had a long history of performing research that has been supported by other state agencies. In FY 1992, College Park received almost 4.6 percent of its funding from these other state agencies which include: the departments of Transportation, Education, Environment, Agriculture, and Natural Resources; the Governor's Office; the Higher Education Commission; Employment and Economic Development; and Justice Assistance. Other campuses of the University System also provide some funding on collaborative projects.

Private contributors such as societies, institutes, associations, corporations and foundations provided an additional \$7.8 million, dropping to 60 percent of the 1991 level. Most of

this can be attributed to sharply declining corporate funding levels according to ORAA.

Other sources of funds, such as other universities, local governments, the Smithsonian Institution, various consortia, the Jet Propulsion Laboratory and the University of Maryland Foundation, provided 7.3 percent of the total. This figure is relatively stable compared to last year, according to ORAA.

The number of overall proposals submitted and the related award transactions increased by 12 percent over last year and more than 18 percent over 1990.

The outlook for the coming year, according to ORAA, suggests that growth in funding is likely to be dependent on federal funds, in the absence of any large national economic turnaround. Corporate support and, probably, foundation and non-profit sector sponsorship is likely to deteriorate while federal money that passes through state agencies, other universities and other such organizations is likely to remain stable.

—Fariss Samarrai

Illusionist to Appear

Witness mind over matter demonstrations by internationally known illusionist Bob Fellows on Thursday, October 8. Fellows entertains with comedy, mind reading and illusions. He has performed on "Late Night with David Letterman" "Donahue," and "Fight Back with David Horowitz." Fellows performs "Mind Over Manipulation" at 7:30 p.m. in the Grand Ballroom, Stamp Student Union. Call 314-8619 for info.

F.Y.I.

Art History Students Mount National Gallery Exhibition

Students enrolled in the Folger Shakespeare Library's "Emblemata and Dutch Art" course, offered in conjunction with the university this past spring, have organized an exhibition in the library of the National Gallery of Art.

The exhibition was drawn from the Gallery's rare book collection of 17th century Dutch emblem books and was prepared under the guidance of Arthur Wheelock, National Gallery curator of Northern Baroque painting and professor of art history at UMCP. It examines the character of Dutch

emblem books and the relationship of emblematic images to various Dutch paintings from the National Gallery's collection.

The exhibition opened to the public in the National Gallery's East Building (Fourth Street and Constitution Ave. N.W.) September 28 and will run through the end of the year, Monday through Friday, 10:00 a.m. to 4:30 p.m. Visitors should register at the Study Center guard desk for access to the library where the exhibition is located.



Lorene Emerson, National Gallery of Art

Examining rare books with Arthur Wheelock are UMCP students Barbara Evans, and Lee Vedder.

New Business School Atrium Site for Colonnade Society Dinner

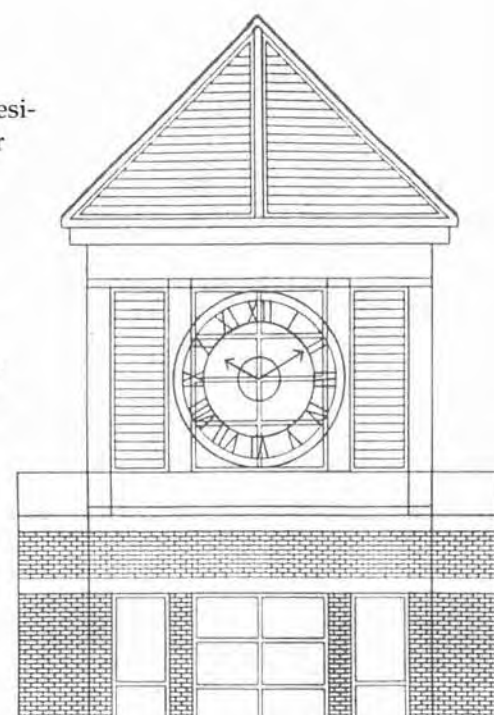
The Colonnade Society, the university's premier private giving organization, will hold a dinner for its members on campus Saturday, November 21, marking the first formal event to be held in the new College of Business and Management/School of Public Affairs building.

The second annual Colonnade black tie dinner will take place in the main atrium of the newest campus facility. The Colonnade Society recognizes donors for annual gifts to the university of \$1,000 or more and has grown to more than 1,000 members since its inception in 1991.

The theme for the evening gala is "Fanfare," with faculty musicians providing entertainment. Emerson Head will welcome guests with a trumpet fanfare. An after-dinner program in the new building's Tyser Auditorium will feature tenor Dominic Cossa accompanied by pianist Robert McCoy, and jazz vocalist Ronnie Wells and pianist Ron Elliston. Roger Meersman, chair of the Department of Theater, will be master of ceremonies.

A reception at 7 p.m. will precede the dinner. Colonnade chair Evelyn Pasteur Valentine (M.S.'67 HEC,

Ph.D.'86 EDU), president of the Pasteur Center for Strategic Management, will be succeeded as chair by Robert Bedingfield (CMB'70), partner in the accounting firm of Ernst & Young.



Animal Sciences Students Intern at Naval Academy



Six animal sciences students from College Park participated this summer in a six-credit internship at the United States Naval Academy Dairy Farm in Gambrills, Md. The students had the opportunity to receive first-hand experience with all aspects of large animal production. The students also helped select and prepare the 16 animal show string that competed at the Howard and Anne Arundel County Fairs and the Maryland State Fair.

The students, like most animal sciences majors, do not have farm backgrounds; therefore, hands-on experiences incorporated into course work and special events such as the

annual Ag Day are considered vital by program organizers. J. Lee Majeskie, associate professor of animal sciences and an extension specialist worked with the Naval Academy Dairy Farm to develop the internship.

Pictured are: (back row, left to right) juniors Sheri Jardine from Bowie, Md.; Lynne Johnson from McLean, Va.; and Kris Otero from Columbia, Md.; (front row left to right) juniors Roni Gabardini from Edgewater, Md.; sophomore Dawn Gorrell from Millersville, Md.; graduate assistant Anne Digges from Williamsburg, Va.; and Cheryl Fetter, a senior from Pasadena, Md.

CALENDAR

Taller Ziryab Cancels Tour

The renowned Spanish Renaissance ensemble, Taller Ziryab, cancelled their American tour and therefore will not appear on campus October 11. Their program will be replaced by New York's Ensemble for Early Music, directed by Frederick Renz. The concert of music from across Europe spanning Columbus' lifetime takes place on Friday, October 30. Call 403-4240 for info.

OCTOBER 5 - 14

5 MONDAY

Art Exhibition, Selections from the Photography Collections, Albin O. Kuhn Library, University of Maryland, Baltimore County. Exhibition runs through Oct. 25 at the Art Gallery. Call 5-2763 for info.

Center for International Extension Development and Office of International Programs Seminar: "A Policy Agenda for Famine Prevention in Africa: Focus on Research and Extension," Joachim von Braun, International Food Policy Research Institute, noon-1 p.m., 0115 Symons. Call 5-1253 for info.

Returning Students Program: Assertiveness Workshop, noon-1 p.m. today and Oct. 12, 2201 Shoemaker. Call 4-7693 for info.

Art Center Class: Advanced Pottery Open Lab, through December 18, weekdays 12:30-4:30 p.m., Art Center, Stamp Student Union. Fee is \$130. Call 4-2787 for info.*

Computer Science Colloquium: "Systematic Concurrent Programming," Mani Chandy, Cal Tech. Reception 3:30 p.m. 1152 A.V. Williams. Lecture 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Entomology Colloquium: "Molecular Baculovirology and Its Implications in Cell Biology, Insect Physiology and Biological Control," Lois K. Miller, University of Georgia, 4 p.m., 0200 Symons. Call 5-7947 for info.

Art Center Class: Introduction to Pottery, Mondays through December 11, 7-9 p.m., Art Center, Stamp Student Union. Fee is \$135. Call 4-2787 for info.*

UM Observatory Open House: "Planetary Satellites: 62 New Worlds," Jim Klavetter, Astronomy, 9 p.m., Observatory, Metzger Road. Weather permitting, telescope observation of various celestial objects will follow. Call 5-3001 for info.

6 TUESDAY

Center for Superconductivity, official opening.

Ecology and Evolutionary Biology Seminar: "The Impact of Population Structure on Persistence in Fluctuating Environments," Mark Taper, Montana State University, noon, 1208 Zoo/Phys. Call 5-6887 for info.

Art Center Class: Advanced Photography and Lab Rental, open lab weekdays 12:30-4:30 p.m., classes Tuesdays through December 14, 7-9 p.m., Art Center, Stamp Student Union. Fee is \$135. Call 4-2787 for info.*

Women's Soccer vs. Loyola, 3 p.m., Denton Field. Call 4-7070 for info.

Committee on History and Philosophy of Science Lecture: "Image Processing Techniques," Peter Teuben, Astronomy, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Art Center Class: Pottery, Tuesdays through December 12, 7-9 p.m., Art Center, Stamp Student Union. Fee is \$135. Call 4-2787 for info.*

7 WEDNESDAY

Counseling Center Research and Development Meeting: "Preliminary Results of an Interview Study of Incest Survivors," Pamela Alexander, Psychology, noon-1 p.m., 0106 Shoemaker. Call 4-7691 for info.

Men's Soccer vs. Mt. St. Mary's, 4 p.m., Denton Field. Call 4-7070 for info.

Art Center Class: Professional Graphic Design, Wednesdays through November 25, 7:30-9:30 p.m., Art Center, Stamp Student Union. Fee is \$90. Call 4-2787 for info.*

8 THURSDAY

UMIACS Seminar on Algorithms: "The Complexity of Testing Equivalence of Typed Lambda-Expressions," Harry Mairson, Brandeis Univ., 2 p.m., 1112 A.V. Williams. Call 5-6761 for info.

Meteorology Seminar: "Regional Four-Dimensional Data Assimilation," Milija Zupanski, National Meteorological Center, 3:30 p.m., 2114 Computer/Space Sciences. Coffee and cookies served at 3 p.m. Call 5-5392 for info.

Distinguished Lecturer Series: "Ozone Depletion: At the Ends of the Earth and Points In-Between," Susan Solomon, National Oceanic and Atmospheric Administration, 3:30 p.m., 1240 Zoo/Phys. Call 5-1478 for info.

Committee on History and Philosophy of Science Lecture: "Visualization Techniques for Correlative Data Analysis," Lloyd Treinich, IBM, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Art Center Class: Pottery, Thursdays through December 14, 7-9 p.m., Art Center, Stamp Student Union. Fee is \$135. Call 4-2787 for info.*

Art Center Class: Beginning Photography, Thursdays through December 14, 7-9 p.m., Art Center, Stamp Student Union. Fee is \$135. Call 4-2787 for info.*

Illusionist Performance: "Mind Over Manipulation," Bob Fellows, entertainer, 7:30 p.m., Grand Ballroom, Stamp Student Union. Call 4-8619 for info.

9 FRIDAY

Geology Seminar: "Magmatic and Metamorphic Stages Within an Orogenic Cycle," Krishna Sinha, VPI, 11 a.m., 0103 Hornbake. Call 5-4089 for info.

Brown Bag Lunch Presentation, Information for women on obtaining dissertation and post-doctoral fellowships from the American Association of University Women, 11:30 a.m.-12:30 p.m., Maryland Room, Marie Mount. Call 5-9308 for info.

Speech Communication Colloquium: "Communication in Imaginary Social Interactions," John Coughney, American Studies, noon, 0104 Skinner. Call 5-6524 for info.

Mental Health Lunch 'n' Learn Seminar: "Research on Differentiating Distressed from Non-Distressed Couples: Implications for Treatment," Robert A. Brown, Psychology, 1-2 p.m., 3100E Health Center. Call 4-8106 for info.

Agricultural and Resource Economics Seminar: "Demand For Seafood Eaten Away From Home," Amy Buss and Ivar Strand, Agricultural and Resource Economics, 2-4 p.m., 2200 Symons. Call 5-1293 for info.

10 SATURDAY

Women's Soccer vs. Villanova, noon, Denton Field. Call 4-7070 for info.

UM Football vs. Georgia Tech, 4 p.m., Byrd Stadium. Call 4-7070 for info.*

11 SUNDAY

Homecoming Event, Terrapin Trot 5K Run for Shelter. Race begins at 10 a.m. in front of Stamp Student Union. Call 4-7174 for info.

Men's Soccer vs. North Carolina, 2 p.m., Denton Field. Call 4-7070 for info.

12 MONDAY

Art Exhibition, Selections from the Photography Collections, Albin O. Kuhn Library, University of Maryland, Baltimore County. Exhibition runs through Oct. 25 at the Art Gallery. Call 5-2763 for info.

Homecoming Event, Flag Football, 11 a.m.-3 p.m., Engineering Fields. Call 4-7174 for info.

Computer Science Colloquium: "The Concurrency Workbench," Rance Cleveland, N.C. State. Reception 3:30 p.m., 1152 A.V. Williams. Lecture 4 p.m., Classroom Bldg. Call 5-2661 for info.

13 TUESDAY

Homecoming Event, Volleyball, 2-4 p.m., Armory. Call 4-7174 for info.

Homecoming Event, Olympics, 4-6 p.m. and 7-9 p.m., South Chapel Field. Call 4-7174 for info.

University Theatre: Quilt-A Musical Celebration, inspired by the NAMES Project AIDS Memorial Quilt, at Tawes Theatre. School matinee at 9:45 a.m. Also on Oct. 15-17 at 8 p.m., sign interpretation on Oct. 17. Tickets are \$12 standard admission, \$9 students and seniors. Call 5-2201 for tickets and info.*

Agricultural and Resource Economics Seminar: "The EC Agricultural Policy Reform and Its Environmental Implications," Alex Dubgaard, Royal Veterinary and Agricultural University, Copenhagen, Denmark, noon-2 p.m., 2200 Symons. Call 5-1293 for info.

Women's Soccer vs. N.C. State, 3 p.m., Denton Field. Call 4-7070 for info.

Committee on History and Philosophy of Science Lecture: "Visualization of Scientific Data," Charles Goodrich, Astronomy, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

UM Field Hockey vs. James Madison, 7 p.m., Astro turf Field. Call 4-7070 for info.

14 WEDNESDAY

Homecoming Event, Flag Football, 11 a.m.-3 p.m., Engineering Fields. Call 4-7174 for info.

Homecoming Event, Volleyball, 2-4 p.m., Armory. Call 4-7174 for info.

UMIACS Seminar on Algorithms: "Tighter Bounds on the Comparison Complexity of String Matching," Richard Cole, Courant Institute, 2 p.m., 1112 A.V. Williams. Call 5-6761 for info.

Open Rehearsal, Guarneri String Quartet, 5 p.m., 2102 Tawes. Call 5-5548 for info.

Maryland Opera Studio, The Secret Marriage, by Domenico Cimarosa, 8 p.m., Tawes Recital Hall. Admission is \$15 standard, \$9 for students and seniors. Call 5-5546 for info.*

*Admission charged for this event. All others are free.

